

The Belden Catalog

Cable College

Corporate Information

Sales and Service

DISTRIBUTOR DESK

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Cable finder

Technical Info

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FULL TECHNICAL SPECS



1492A Composite - Power Limited Tray Cable 300 Volts

Total # Cond.		# Pairs			
5		2			
AWG	Stranding	Type	Insulation	Insulation Thickness (in.)	Shield
16	(7x24)	BC - Bare Copper	PVC - Polyvinyl Chloride	.01600	Individual/Overall Aluminum Foil-Polyester Tape
Jacket	Jacket Thickness (in.)	Nom. Core OD (in.)	Nom. OD (in.)	Nom. Cond. DCR (Ohms/M')	Nom. Cap. (pF/ft)
PVC - Polyvinyl Chloride	.0530	.3440	.4500	14.700	60.000
For technical data, click the button below			For available colors, click the button below		
<div>Tech Data</div> or call 1-888-Belden8			<div>Put-ups & Colors</div> or call 1-888-Belden8		
Description					
<p>Multi-Conductor, Composite, 2 pairs (16 AWG, stranded (7x24) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation, Individual Aluminum Foil-Polyester Tape (Beldfoil) shield with 18 AWG stranded (7x26) tinned copper drain wire) plus 1 communication wire (22 AWG, stranded (7x30) BC - Bare Copper conductors, PVC - Polyvinyl Chloride insulation), Overall Aluminum Foil-Polyester Tape (Beldfoil) shield with 16 AWG stranded (7x24) tinned copper drain wire, 100% shield coverage, sunlight resistant PVC - Polyvinyl Chloride jacket with nylon ripcord. Applicable Specifications: UL PLTC, ITC or CMG or C(UL) CMG, FT4, IEEE 1202. Flame Resistance: UL 1581 Vertical Tray Flame Test. Power Limited Tray Cable. Industrial Automation & Process Control Cables. Other insulation and jacket options are available. These cables are suitable for installation in wet or dry locations. Cable jackets are sunlight resistant, impervious to moisture and vapor penetration, and non-propagating. Alternate conductor color coding is available as a special order. Multiple pair cables have each pair numbered for ease of identification. Individually shielded and overall shielded - individually shielded pairs with an overall shield are recommended for use in instrument and control applications where optimum noise rejection is required. Individual pair shields are fully isolated from each other and contain a separate drain wire for grounding, to provide maximum protection from crosstalk and common mode interference. Cables with an overall shield provide additional electrostatic noise protection. BELDFOIL is a Belden registered trademark.</p>					

Disclaimer: Great effort is made to ensure the accuracy of the information presented, but errors or omissions may occur. This listing of information is presented as a courtesy and does not ensure that a product with these specifications is available. Specification and availability should be confirmed with a call to our sales representative or to Customer Service. Have a question? Call us at 1-800-BELDEN-1 or send us a [comment](#)

07/09/02

TECHNICAL DATA

Customer Number • 000001

Customer Name •

To display Technical Data, enter a Product Code and press Go.

Product Code 1492A

Go

Example: 9269

Product Search

02-22-00 REV. 6

1492A

I. DESCRIPTION:

POWER LIMITED TRAY CABLE - 2 PAIRS + COMMUNICATION WIRE
PAIRS ARE 16 AWG (7X24) BARE COPPER, PVC INSULATION,
INDIVIDUALLY BELDFOIL SHIELDED W/ 18 AWG (7X26) TINNED
COPPER DRAIN WIRE, COMMUNICATION WIRE IS 22 AWG
(7X30) BARE COPPER, PVC INSULATION, OVERALL BELDFOIL
SHIELD W/ 16 AWG (7X24) TINNED COPPER DRAIN WIRE, PVC
JACKET WITH NYLON RIPCORD

II. ELECTRICAL CHARACTERISTICS:

MAX. OPERATING VOLTAGE: 300 V RMS
NOM. CONDUCTOR DC RESISTANCE
@ 20 DEG. C (16/22 AWG): 3.67/14.7 OHMS/1000'
NOM. SHIELD DC RESISTANCE
@ 20 DEG. C:
(INDIVIDUAL): 5.07 OHMS/1000'
(OVERALL): 3.30 OHMS/1000'
NOM MUTUAL CAPACITANCE @ 1KHZ: 60 PF/FT (CALCULATED)
NOM GROUNDED CAPACITANCE @ 1 KHZ: 110 PF/FT (CALCULATED)

III. PHYSICAL CHARACTERISTICS:

TEMPERATURE RATING: -30 TO +105 DEG. C
INSULATION MATERIAL: PVC
JACKET MATERIAL (COLOR): PVC (BLACK) - SUN RES
TYPE SHIELDS: .0015" POLY/AL FOIL
TWISTED PAIR LAY LENGTH: 2.5" (4.8 TWISTS/FT.)
OVERALL LAY LENGTH: 5.8" (2.1 TWISTS/FT.)
MAX. PULLING TENSION: 161 LBS.
NOM. WEIGHT/1000 FT.: 110 LBS. APPROX.
MIN. BEND RADIUS: 4.5" (10X DIA)
CABLE DIAMETER: .450" AVG
APPLICABLE SPECIFICATIONS: UL PLTC, ITC OR CMG
OR C(UL) CMG, FT4,
IEEE 1202

COLOR CODE:	ICEA METHOD 1 - K1
	BLACK AND WHITE PAIRS
	ORANGE COMM WIRE
FLAME RESISTANCE:	UL 1581 VERTICAL TRAY
	FLAME TEST